

In the specification:

Please amend the specification as follows:

Please amend the paragraph at the bottom of page 1 that carries over to page 2 to read as follows:

Coaster brakes are useable on a bicycle with a chain drive which can apply force through the chain during both forward rotation and rearward rotation. Modern bicycles, however, provide the rider with a multiplicity of gear ratios so the rider can apply his muscles with the most efficient effect. The changing of the gear ratios is accomplished by either a changing of the gearing in the axle ~~axel~~ of the bicycle, or by changing of the ratios of the diameters of the chain sprockets on the axle and on the foot crank respectively. Coaster brakes ~~brake~~ are not useable with either type of the presently available multi speed drive systems, and therefor friction brakes have been used on multi speed bicycles. Friction brakes have a caliper mounted on the frame near the outer rim of the wheel and the caliper is controlled by a lever mounted on the handlebars. When the rider actuates the lever, the calipers compress two brake pads around the rim of the wheel causing friction to slow and stop the bicycle.

Please amend the paragraph at the bottom of page 2 that carries over to the top of page 3 as follows:

Briefly, the present invention is embodied in a bicycle having a frame and front and rear axles with wheels mounted thereon. The bicycle has a crank shaft on the frame with a pair of pedals which are rotatable by a rider's feet, and a chain drive

between the crank shaft and the rear axle. The bicycle further has a one-way clutch between the sprocket and the rear axle or on the crank shaft whereby the crank shaft is drivingly engaged with the rear axle for rotation in only the forward direction. The one-way clutch allows the rider to coast during which the wheels of a bicycle rotate, but the crank shaft and pedals remain stationary. The one-way clutch also permits the pedals of such a bicycle ~~bicycles~~ to freely rotate in the reverse direction.

Please amend the paragraph at the bottom of page 3 that carries over to the top of page 4 to read as follows:

To provide for the reversing of direction of the crank shaft and peddles, a first gear is mounted on the crank shaft on the opposite side of the bicycle frame from the chain drive. A second gear is mounted co-axially with a braking sprocket on an independent axle and a second chain drivingly connects the braking sprocket with a sprocket on the rear axle. The clutch engages and disengages the second gear with the first gear thereby engaging and disengaging the second chain drive. To slow the bicycle, the rider will actuate the lever to the clutch to engage the second drive. The engagement of the first and second gears reverses the rotation of the first gear with respect to the second, causing the pedals of the crank to be rotated in the reverse direction. When the clutch is engaged, the rider can use ~~us~~ his feet and legs to apply force to the rear wheel of a bicycle that uses presently available multi speed drives.

Please amend page 4, the third paragraph (Fig. 2), the fourth, fifth, and sixth paragraphs (Fig. 3, Fig. 5, and Fig. 6) and after the sixth paragraph add a new paragraph (Fig. 6) as follows:

Fig. 2 is a top view of the bicycle shown in Fig. 1 showing Fig. 1 showing a second chain drive in accordance with one embodiment ~~the device~~ of the present invention mounted on the side of the bicycle opposite the chain drive;

Fig. 3 is a left side view of the second chain drive shown in Fig. 2 in the engaged orientation ~~of the present invention~~;

Fig. 4 is a fragmentary enlarged cross sectional view of the slide and idler shaft of the present invention; ~~and~~

Fig. 5 is a schematic cross sectional view of the rear axle of a bicycle employing a second embodiment of the invention, and.

Fig. 6 is a left side view of the second chain drive shown in Fig. 2 in the disengaged orientation.

Please amend the paragraph at the bottom of page 5 that carries over to page 6 to read as follows:

Referring to Figs. 2, 3, 4, and 6, ~~and 4~~, in accordance with the present invention, the bicycle 10 is fitted with a second chain drive 50 on the opposite side of the frame 12 from the chain drive 42. The second drive 50 is oriented generally parallel to frame member 54 which extends from the crank case 20 to a bearing 55 in which the rear axle 16 is journaled for rotation. The frame member 54 has a rectangular cross section and around the frame member 54 are fitted opposing slide

sections 56, 57 are retained together by a pair of bolts 59 and associated nuts 61 to hold the parts on assembled relationship to form a slide assembly 58 which longitudinally moveable along the frame member 54.

Please amend the paragraph at the bottom of page 6 that carries over to the top of page 7 to read as follows:

One end of the sheath of a push-pull cable 90 is mounted to the frame member 54 and the other end of the sheath is attached to a lever 94 mounted on the frame 12 handlebars 28. The lever arm 94 pulls a cable through the sheath, with the distal end of the cable attached to the slide assembly 58. Actuation of the lever 94 therefore draws the slide assembly 58 52 away from a first portion, shown in Fig. 6, in which the gears 84, 86 are disengaged from each other, and towards a second position, shown in Fig. 3 in which the rear axle 16 and brings the second gear 86 is engaged with ~~into-engage~~ the first gear 84 and the compressing spring 78 is compressed.

Please amend the paragraph at the bottom of page 7 to read as follows:

Where the bicycle 10 shown in Fig. 3 and Fig. 6 is moving forward, the wheels will rotate counter clockwise. When the second chain drive 50 is engaged, the crank shaft 18 and pedals 22, 24 thereof, however, will be caused to rotate clockwise because the engagement of gears 84, 86 will reverse their direction of rotation from that of the rear wheel 17. The rider can then apply force to the pedals 22, 24 with his legs and feet to slow and stop the bicycle 10 as needed.

Please amend the paragraph at the bottom of page 8 that carries over to page 9 to read as follows:

The essential elements of the invention include the clutch and the second drive system 50, where the clutch can selectively engage and disengage the second chain drive system 50. With the clutch 84, 86 engaged the second chain drive will apply rotational force from the rear axle 16 of the bicycle 10 to the crankshaft 18 and the pedals 22, 24. The rider can then use ~~used~~ his legs and feet to resist the rotation of the pedals 22,24 and thereby apply a rotational force to the rear axle that is opposite to the direction that causes forward motion, thereby slowing and stopping the bicycle 10.

Please amend the second full paragraph of page 9 to read as follows:

The axle 100 is retained to the frame members 122, 124 of the bicycle by an axle retainers 126, 128 having bearings 130, 132, respectively, to permit the rotation of the shafts 102, 110. As can be seen, the inner shaft 102 extends through retainer 126 while both inner and outer shafts 102, 110 extend through retainer 128.

Please amend the paragraph at the bottom of page 9 that carries over to the top of page 10 to read as follows:

At the clutch end 106 of the axle 102 is a clutch 134 having a first clutch plate 136 fixed for rotation with the outer shaft 110 and a second clutch plate 138 fixed for rotation with the inner shaft 102, and the second clutch plate 138 axially moveable with respect to the two shafts 102,110. A coil spring ~~springs~~ 140 positioned around

the inner shaft 102 and within the outer shaft 110 urges the second clutch plate 138 axially away from the first clutch plate 136.

Please amend the second full paragraph of page 10 to read as follows:

By actuating the lever 154 on the frame of the bicycle the rider can engage the clutch 134 and thereby lock the inner shaft 102 to the outer shaft 120, causing the two shafts to rotate together. In this case the clutch 134 causes ~~cause~~ the pedals of the bicycle to rotate in the same rotational direction required to drive the bicycle. The rider can then apply force through his legs to resist the rotation of the pedals to slow and stop the bicycle.